

Sony International (Europe) GmbH  
S00P5062EP00  
PAE99-124DTCE  
Our File: P23698EP

5

Abstract

10 The present invention relates to a sound generating device and a sound generating method for a mobile terminal of a wireless telecommunication system. The sound generating device comprises a memory means (5) for storing waveforms, each waveform corresponding to a sound and each waveform comprising a predetermined number of samples, selecting means (3) for selecting a sound and a pitch for said sound to be generated, calculating means (6) for calculating, on the basis of a preset calculation rule, a sound table from the samples of the waveform of a selected sound, 15 reading means (8) for reading out a part of the samples from the calculated sound table depending on the selected pitch for the sound, and output means (2) for outputting a sound on a basis of said part of samples read out from said reading means. The present invention allows to generate and output periodic signals with the frequencies of musical tones from stored single periods of waveforms.

20

(Fig. 1)